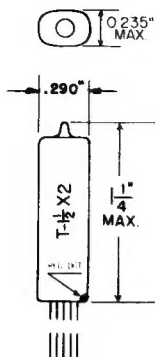


## TUNG-SOL

## PENTODE

## SUBMINIATURE TYPE



## GLASS BULB

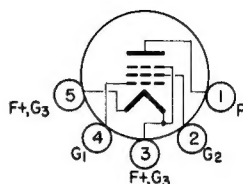
DOT IS ADJACENT TO LEAD 1

## FILAMENT

1.25  $\pm$  .25 VOLTS 10 MA.

AC OR DC

ANY MOUNTING POSITION



## BOTTOM VIEW A

0.016" TINNED  
FLEXIBLE LEADS  
0.040" CENTER-  
TO-CENTER

IN LINE

THE 6418 IS A FILAMENT TYPE PENTODE OF SUBMINIATURE CONSTRUCTION DESIGNED FOR USE AS A POWER AMPLIFIER IN PORTABLE AND WEARABLE EQUIPMENT. THE FLEXIBLE LEADS MAY BE SOLDERED OR WELDED DIRECTLY TO THE TERMINALS OF CIRCUIT COMPONENTS WITHOUT THE USE OF SOCKETS. STANDARD SUBMINIATURE SOCKETS MAY BE USED BY CUTTING THE LEADS TO A SUITABLE LENGTH.

## RATINGS

## ABSOLUTE MAXIMUM VALUES

FILAMENT VOLTAGE	1.25 $\pm$ 20%	VOLTS
MAXIMUM PLATE VOLTAGE	30	VOLTS
MAXIMUM GRID #2 VOLTAGE	30	VOLTS
MAXIMUM CATHODE CURRENT	0.5	MA.

### CHARACTERISTICS AND TYPICAL OPERATION - CLASS A AMPLIFIER

FILAMENT VOLTAGE	1.25	1.25	VOLTS
FILAMENT CURRENT	.01	.01	AMP.
PLATE VOLTAGE	15	22.5	VOLTS
GRID #2 VOLTAGE	15	22.5	VOLTS
GRID #1 VOLTAGE	-0.8	-1.2	VOLTS
ZERO-SIGNAL PLATE CURRENT	100	240	$\mu$ A.
ZERO-SIGNAL GRID #2 CURRENT	25	60	$\mu$ A.
PEAK AF GRID #1 VOLTAGE	0.8	1.2	VOLTS
TRANSCONDUCTANCE	190	300	$\mu$ MHOS
PLATE RESISTANCE	0.72	0.42	MEGOHMS
LOAD RESISTANCE	150	100	KILOHMS
TOTAL DISTORTION (APPROX.)	12	12	PERCENT
POWER OUTPUT	0.6	2.2	MW.

A

GRID #3 IS COMPOSED OF TWO DEFLECTOR PLATES, ONE BEING CONNECTED TO LEAD 3 AND THE OTHER TO LEAD 5.

